[9 cont.]

586 Up to the birth of the first child, the marriage is dis-
595 solvable, but not thereafter. Monogamy is the rule; where
596 there is polygamy, the first wife is the "head wife." The eldest
611 brother of the head wife is the family head. The boys belong to the family of the wife, and the daughters to the family of the father.

582 The strictest exogamy prevails. Son and daughter may marry neither into the father's kin group nor into the mother's
[587] kin group. On the other hand, a young widow is usually married by one of her brothers-in-law.

551 The following kin-group names were reported to me: !Nui-a, Dai, aben, orasi, Gombe, χ'am, χ'am-Kha.

805 The following times of the day are differentiated:

eruba, time before sunrise.

!khoasa, time of sunrise (N. khoa-am = to open, that is, the door for the sun is opened).

sorésa, "the sun shines."

sorésa ≠kam go, "the young sun goes," breakfast time. In effect, below the tropics one has the impression that the sun, after it has stood on the horizon for a while, moves toward the zenith with great speed.

sorésa !khoai go, "the sun goes back." Noon.

//gui-sa, "it declines (lies down)." Afternoon.

●[512] ≠khai-am-go, "to rise and go." After hunting or searching for veldkost, the Bushmen usually take a rest before it is time to go home and start cooking (late afternoon).

≠kha-go, "to go through." (The sun goes through the gate of the night.) Dusk, sunset.

!khui-sa, to be evening.

dschu-ba, night (N. tsuχub).

821 These Bushmen have the idea that the old sun dies every night and a new, young sun appears the next morning. That the
[171] moon dies every month and is resurrected again is a notion so widespread in Africa that it is really unnecessary to make special mention of it.

805 The year begins when a new rainy season sets in.

//hauba, "storms rise." Rainy season.

[26 cont.]

142 The athletic type thus represents the best realization of the human type among the races.

Since, from the day of conception on, environmental influences are predominantly of a harmful nature, the average type finally arrived at is the type formed by the average harmful effects, which, on the one hand, are of a hereditary and constitutional nature, and, on the other hand, are conditional effects during the individual's lifetime. The more unfavorable the living conditions are, the greater will be the harmful effect coefficient, and the more the average physical type will approach the asthenic. Only environmental improvement, brought about by high civilization, permits athletic forms to develop in considerable numbers.

According to our schema, we may designate the Bushmen as asthenic on the average, and the best developed among them [146] as respiratory. In the case of many male individuals, there is an ability for considerable fat accumulation, and on the farms I encountered a number of Bushmen who had adapted themselves to a flour diet and had considerable body weight.

[146] The digestive type thus certainly does occur among them, even though we must keep in mind that the diet, which is rich in meat and poor in carbohydrates, counteracts its development.

5. The Course of the Day

805 [192] The !Kung Bushmen divide the 24 hour day into seven segments, which are:

/gam χ'á-o-a, dawn.
/gam do di /gii, time of sunrise.
!nai /kho, (the sun) is in the middle.
ha ti ǂnáu, (the sun) will go down.
χ'á-o ti ǂnáu, the sun is now asleep.
/gu gă djo-o, one can no longer see the people because it is dark.
!a ds ĩ, midnight.

●512 The division of the day varies somewhat with the season of the year. With the exception of the so-called hot season,

!KUNG

[26 cont.]

●512 from about August 20th to the end of December, the following daily routine is normally observed. Before dawn, it becomes very cold, the people wake up, and the boys stir up the fire and put on it the remains of the evening meal. The old people move closer to the fire and go on sleeping until the sun comes up. Then they have their breakfast, which consists of the remains of the [462] evening meal. The able men now go hunting. The women continue to sit around the fire for awhile and nurse their children. [462] At about 10 o'clock the women and children, as well as the girls, go out in a group to look for veldkost. Almost every woman [482] old enough to bear children carries a child on her back, while a second child often rides on her shoulders. The smaller boys stay at home and help the old people, who get up about an hour later [361] to fetch water. The huts are never located close to the water: 1. because people get sick close to the water; 2. because the lions come there; 3. because the game would be frightened away. The watering place itself is visited quite irregularly, because in disturbed times the enemy lurks there, and occasionally also the police. The male and female doctors go into the bush, usually not very far, alone or only with a disciple, to gather medicine. Around four o'clock in the afternoon the women come back and begin to cook. Around this time, too, the men begin [264] to return with the spoils of the hunt. When the sun goes down, they all sit by the fire and eat. Each family has its own fire. Then some will continue to chat for awhile, while others go to sleep, and gradually it becomes quiet.

[264] They do not eat at noon. From eleven to four o'clock the camp is deserted, and even the old people sleep somewhere in the forest. The hunters and the women collecting veldkost also [27] take a long midday rest during the hot afternoon hours. During the hot season, on the other hand, they set out soon after midnight to hunt and search for veldkost, because later in the day the sand is too hot to walk on.

6. The Divisions of the Year

805 The Bushmen reckon time according to full moons, for example, agreeing to meet after three or four full moons, and

372 *hei-doros*: The new *!ou-/ais* now serves to supply the other members of the group. At times it may happen that all the members of the community may not be living in the *//gāus* 361 (camp), but in some outside werft. This is usually the case [132] only in times of drought when the game have moved far afield 622 and great difficulty is being experienced in obtaining veldkos.
372 Further, people driven out by another group and seeking protection are sometimes allowed to live some distance away from the *//gāus*. Such communities are not allowed to make their own fire or to obtain it from any other source, but the *!ou-/ais* of the *gei-khoib* in whose territory they are living.
372 Persistent ill-health among the members of the community 622 or difficulty in obtaining veldkos or want of luck in the chase [751] may cause the *gei-khoib*, either of his own accord or after 777 consultation with his people, to proclaim that it is necessary to make a new fire. In such an event all fires, including the *!ou-/ais* are extinguished by being covered over with ashes. The *gei-khoib* at the same time notifies all outside camps of his decision and the latter likewise extinguish their fires. He then kindles a new *!ou-/ais* in front of his hut with the hei-doros and applies *norab* and *dabas* in the manner described above. The new fire is not made on the same spot as the old fire, but a few feet away from the place on which it had been.
184 The custom of kindling and maintaining a perpetual fire is 372 met with among all the organised primitive groups. Want of space and time does not permit, however, of a detailed account being given of the superstitions which have gathered about this custom among the various tribes.

Family Life

593 Each family within the group occupies its own hut. Children sleep with their parents until they are strong enough to go about by themselves, when the boys join the others under the tree and the girls take up residence in the hut for unmarried girls.

● 512 The women rise early, light the fire and prepare the food for the morning meal which usually consists of veldkos. After having eaten, the men go out visiting or hunting or engage in some other occupation such as preparing skins, weapons, etc. The women accompany each other in search of veldkos and go out soon after the men have left. When food is obtainable at no great distance they are usually back in camp towards midday. When they have to go far they may not reach home until late in the afternoon. Wood is collected on their way back. Immediately after their return they proceed to prepare food, the younger married women and young girls in the meantime fetching water. The food is ready by the time the men arrive in the evening and the latter are able to partake of it without delay.

462 There is a sharp division of labour between the men and women of the group. The former do the hunting and snaring of game, prepare the weapons, skins for clothing, snares, fire-

9: Thomas T-5 (1951-1955)1959
FX10 Bushmen FX10
GiKwe

above the earth in a layer. We were crouching at a fire we had built, warming our hands against the cold, when the sun came up. We heard birds singing in the fresh air as if nothing had happened, then the sound of faint pounding far away, a mortar being struck with a pestle. Soon we heard a second mortar join the first as another woman began breakfast for her family, and we knew that two women meant perhaps six people, therefore a band.

Gai stood up and stretched his legs, then took a tiny coal from our fire between his thumb and finger and dropped it into his pipe, inhaling deeply and holding the smoke in his lungs while he handed the pipe to Witabe, who also puffed and returned the pipe, when at last Gai exhaled, spat, and scooped the pipe through the sand, extinguishing the fire and saving the rest of the tobacco. He stuck the pipe in his belt, flung his great kaross over his chest to warm his belly, and strode off in the direction of the sound, the ragged edges of his great cape swinging at his ankles as his strong feet carried him away. He walked under a burned log that had partly fallen and was braced up by another tree, and as he did the white ashes blew from it and the light of dawn shone through the ash like light through a flurry of snow.

Later in the day, when we had eaten cornmeal for breakfast, while we waited for Gai to come back, we went down to the flats below our hilltop to inspect the damage of the fire. The land below our camp was in utter desolation, startling and ruined, a desert of ash. We found only the orange sand and black ashes still in the shape of the grass blades that made them, black ashes below burned bushes still in the shape of the leaves that made them, and, on the ground, flat, perfect skeletons of vines, just in the shape of the vines that made them but black, in powder, disintegrating into dust when the wind touched them. All around us lay the smolder-

9: Thomas T-5 (1951-1955)1959
FX10 Bushmen FX10
GiKwe

123 wind and held the sun-warmed air inside itself like an oven. The three young Bushman boys found this out quickly, and early in the morning when the sun came up they would crouch outside, shivering and naked, and whisper "Nisabe, Nisabe" until I opened the door to let them in. The four of us filled the tent entirely, but when I would leave for breakfast they would stay behind, looking in my mirror and leafing through my notes. I gave them crayons and paper and asked them to draw, but they wrote instead, wiggly little lines that looked for all the world like handwriting, complete with dotted i's. Once, when I looked in to see if they had drawn anything, they showed me a page of my notes which had a smudge and a tiny rip in one corner. They had not torn it, for they were more careful and precise than cats—in fact, I had done it myself—but they were upset over the destruction of property, and when I told them it was nothing important, perfectly all right, they were not pleased. I seemed to them lavish and wanton; I should have repaired it or at least shown that I was sad.

132 512 One morning in early July they came to my tent before sunrise and I woke up when I heard their teeth chattering. Before I had the door completely open they had all popped in, and when I went outside, wearing a sweater, a coat, and mittens, I found that it was surely the coldest day of the year. A strong south wind was blowing, straight from the Antarctic, scattering our fire, whose smoke and heat blew down the wind, and even standing in the smoke we could not get warm. In our pails the water was frozen into solid ice, and we saw our breath in clouds around our heads.

We went to the werf through grass white with frost to see how the Bushmen were faring and found them all awake, crouched over the coals of their little fires. Tsetchwe and Gai sat side by side, Gai all wrapped in his big kaross which cov-

9: Thomas T-5 (1951-1955)1959
FX10 Bushmen FX10
GiKwe

ered him entirely so that only his head and toes were showing, Tsetchwe in her small, ragged kaross which covered only her back, leaving her legs, belly, and shoulders bare. Near them sat Ukwane and Kutera, bundled up together in Ukwane's tattered kaross in front of a handful of embers on a small pile of white ash, Kutera having been too tired to gather much firewood the night before. Dasina sat by herself at another very small fire with the baby, stark naked, standing on her lap. He alone did not seem to mind the cold, for he smiled at us cheerfully when we came by. The others hardly looked up.

They had burned all their firewood the night before, and now it was too cold to go for more, or even to go for food, so they sat cold, hungry, thirsty, and even tired, since they had been too cold to sleep during the night. They were waiting, as they had waited all night, with infinite patience, infinite endurance, for noonday, when the sun would give a little warmth; but the sky was overcast, and even at noon the sun would still be far away.

Twikwe stood up to poke her fire and the Antarctic wind howled along the ground, blowing her little kaross back from her shoulders and leaving her naked except for her apron whipping around her legs, and her string of beads. The icy wind made the branches over her head rattle, made her breath blow back like smoke and her eyes stream with tears. She sat down again, downwind from the fire, wiped her eyes, and, wrapping her lanky arms around her legs, put her head on her knees and waited. It was six o'clock in the morning; they had six hours to go.

A little later I crossed the flat pan of Ai a ha'o to look for firewood in the plains on the opposite side. When I got there I saw a hawk in a tree, a hawk with a fine red beak and handsome gray feathers. He had gnarled, stalky legs and he

9: Thomas T-5 (1951-1955)1959
FX10 Bushmen FX10
GiKwe

159 right, saying that Gai may have *thought* the Bakalahari was his real father, but that Ukwane knew better. I expect that Ukwane was right at that, for Gai certainly looked like a Bushman.

But whether father or stepfather, Gai said, the Bakalahari kept sending messages to Gai with Bushmen who might be passing through Ai a ha'o telling him to come back to Chukudu (probably to work), but Gai never did. Gai was too clever.

● 512 At noon the sun had warmed the air a little, although there was still an edge of frost, and the women got up and walked [313] off together into the veld to search for wood. In an hour or so they came back heavily loaded, Tsetchwe with her kaross [482 854] bulging with melons, perhaps twenty in all, a great load of wood on top of them piled higher than her head, and Nhwakwe riding on top of it all. Even in the cold air she perspired, and as her load must have weighed almost a hundred pounds, she walked leaning forward.

By night the cold had deepened. The Bushman boys came [513] out of my tent and went home for dinner, then lay by the fires to sleep when the adults curled up in the shallow pits. The moon rose, a frosty circle, hard as a coin, and before we went to sleep that night we heard a jackal calling "tsa," out on the plains.

"Tsa," called one of the Bushmen, answering him.

"Tsa!" the jackal replied.

821 In the morning we were very pleased to find that the cold had broken. We woke up to find the sun just rising, and on the other edge the moon just sinking down, lustrous and pale in a current of balmy air coming warm from the equator. In the east, only the planets showed of all the stars; one of them,

9: Thomas T-5 (1951-1955)1959
FX10 Bushmen FX10
Kung

namesake of Dikai, I had acquired her set of relationships and was expected to follow the rules that applied to her. I could act in a familiar way with those people whom she treated familiarly and was expected to avoid those whom she avoided. I called Dikai "Big Name," the term usually applied in such a relationship, she called me "Little Name," her nephews called me "Aunt," her mother called me "Daughter," and often her husband, Gao Feet, with roars of laughter, would say he would marry me someday.

We sat down in the werf in the delicate shade of the arching branches and Dikai's mother produced a bag full of tsi nuts, which the people began to roast and eat. The bag was made of the entire skin of a duiker—a little nocturnal antelope no bigger than a small dog—turned inside out with the legs tied together as handles, the neck tied off as the bottom of the bag and the rump open as the top. When it was full of tsi it was solid and formed and looked eerily like a little, headless duiker.

When the day was over and the sky was getting dark I made a camp for myself a few feet from the werf. The Bushman children helped me pull the grass. We built a fire in our clearing and I cooked some beans and tsi nuts that Dikai's mother had given me for myself and the children, and as Bushmen from the werf began to come over I cooked more and more. There wasn't much—the Bushmen had only half a day's supply and we hadn't expected to be away from camp so long. Everyone had a little, though, and afterward we filled ourselves up with water and we smoked. It was very cold. Before the night was over, the water we had in our water pail had turned to ice. On nights such as this the Bushmen prefer to sit up and talk, to keep their minds off the fact that the air is cold and they are naked and hungry, rather than to try to sleep; they wait to sleep the following day, warm in the sun.

15: Marshall E-5 (1951-1961) 1965
FX10 Bushmen FX10
!Kung

513 882 together may sleep near the parents of one of them, but not exactly at the parents' fire.

855 857 Within the frame of protectiveness the parents are very permissive and make few, if any, demands on their children. With no houses and few utensils, there are not many household tasks to assign. Children are not sent off alone to do any of the daily work of fetching water or wood or [136] gathering veldkos. Although lions, leopards, and hyenas tend to mind their own business, they are present in the country and share the water holes with the Bushmen. Poisonous snakes are a very real danger. Furthermore, as the hunters say, it takes a lifetime to learn the country well enough not to be easily lost in the featureless grass and brush. The adults do not let their children out of their sight. In their parents' presence the children imitate adult activities in vital, active play, very engaging to watch, and [868] participate in actual work as they are able. The adults pause to show them how to hold a digging stick, or a toy bow or drill, so that play and learning merge.

524 857 [512] The !Kung have a rich variety of lively group games, with pantomime, singing, dancing, and other rhythmic movements, that children and adults together enjoy playing in the werf when the heat of the day is over. In most of their games boys and girls play separately, but they dance and sing together.

861 857 156 !Kung children are never harshly punished. One father said that if he had a boy who was quarrelsome or who disobeyed the rules—for instance, the absolute rule of the !Kung against stealing food or possessions—what he would do about it would be to keep the boy right with him until he learned sense. The children on their part do not often do things that call forth punishment. They usually fall in with group life and do what is expected of them without apparent uncertainty, frustration, or fear; and expressions of resistance or hostility toward their parents, the group, or each other are very much the exception.

881 [173] [171] [562] [535] [534] [302] [304] PUBERTY • When the fathers of the present old men were young men, the Nyae Nyae !Kung adopted the ceremony of the *Choma*, which they said was taught to them by a !Kung man who had married into another language group in the south. The *Choma* resembles some Bantu initiation ceremonies at certain points. The men who have had the ceremony and are therefore *Choma* owners take the boys to a place far enough from the werf to be out of hearing of the women, who, the !Kung claim, would die if they heard some of the *Choma* sounds. The men and boys dance all night for several nights to special *Choma* songs with special rhythms that differ from those of the other dances. A secret bull-roarer plays a part in the ceremony. At the end the boys are scarified with a vertical line down the middle of their foreheads and are given a special *Choma* haircut. Circumcision or other genital operations are not practiced by the !Kung.

262 plants, are scarce and unpredictable and people never depend
137 on meat for their basic subsistance. Therefore the well-
136 being of the Bushmen as a population can be viewed as the
433 product of two factors: the abundance of food resources in their environment, and the intelligence and sophistication which informs their exploitation of these resources.

• 512 Although the getting of food is the major activity of
433 Bushman life and is a major focus of Bushman thought, the greater part of the waking life of the Bushmen is given over to social, religious and trading activities that are largely independent of the food quest.

Their emphasis on non-subsistence activities becomes clear when daily records are kept of the activities of the
[126] members of a camp. For example, a diary of activities was kept for the Dobe camp during July, 1964. This record was made during mid-winter, a season of comparative scarcity. It
[462] was found that the 23 adults of this camp spent less than half of their days in subsistence activities, an average of 23% of the time for the women and 40% of the time for the
[574] men. The majority of their waking hours were spent visiting
[521] other camps, entertaining visitors, resting, talking, hut building, and making tools, clothing, and ornaments.

Plant Resources

137 There are well over 200 species of plants and 230 species
136

262 insects that occur locally are regarded as food. Such animals as rodents, snakes, lizards, termites, and grasshoppers, which, in the literature, are included in the Bushman dietary, are despised by the Bushmen of the Dobe area. Even the more attractive larger mammals are hedged round by numerous age-specific, sex-specific, and personal taboos, so that no single Bushman may eat all of the thirty species of mammal that are considered edible. Ritual curers prescribe, for each individual, a series of species that would be highly injurious if the individual were to eat them. These prohibitions are strictly observed. For instance, the wife of /oma, the most successful wart-hog hunter, was forbidden to eat the meat of that species and she became sick to her stomach at the mere smell of cooking wart-hog meat. Such strongly-held aversions and selective tastes are cultural luxuries that are not usually associated with a starvation level subsistence.

462 [512] Leisure and Work -- The getting of food is the most important single activity in Bushman life. This task occupies, on the average, 25 per cent of the womens' days and 40 per cent of the mens' days. The significant point, however, is that the majority of the time of both sexes is spent in non-subsistence [222] activities such as resting, talking, and visiting. In a typical [574] work period, a Bush woman will gather one day and then spend two or three days either resting in camp or visiting other camps,

2: Schapera E-4, 5 (no date)1930
FX13 Hottentot
Bushmen FX10

221 312 423 compelled to turn back to permanent waterholes. Thus in the rainy season the Aikwe, Tsaukwe, /Amkwe, /Dukwe, and Tserekwe all hunt in the wide sandveld pierced by the bed of the Letyahau, keeping to some extent to their respective hunting territories, but apparently also hunting together peacefully in the most central parts of the region. In the dry season, however, they turn back to the limestone pans of the Ghansiveld and Mahuraveld and to the river-courses of the Tauche-Botletle system, where permanent water is to be found.[1] The same alternation of residence with the seasons occurs, as we have seen, among the Tannekwe and the Hukwe, and may also be noted among the Kung and the Auen in the Omaheke and Kaukauveld.[2]

[621] It is not only in alternation of residence that the change of season makes itself felt. In some cases it also affects the very cohesion of the band itself; for, as already mentioned, both among the Auen and among some of the Central Kalahari tribes the members of the band concentrate together during the rainy season when there is a more abundant supply of food, but as the dry season comes on the families scatter and wander off in different directions.

462 ●512 From their huts the people go out every day in search of food. The women rise early, light the fire, and prepare the food for the morning meal, which usually consists of veldkos left over from the previous evening. After having eaten, the men may go out hunting or visiting or engage in some other occupation, such as preparing skins, weapons, and utensils. The women accompany one another in search of veldkos and go out soon after the men have left. "One may see a group of women and little children start off in one direction, single file of course, then some men in another, then four or five boys together, then girls, small and big, then some more men, and so on." When food is obtainable at no great distance, the women are usually back in camp towards midday. When they have far to go they may not reach home till late in the afternoon. Wood is collected on their way back. Immediately after their return they start the fires and proceed to prepare the food, the younger married women and young girls in the meantime fetching water from the neighbouring waterhole.

[264] Food is ready by the time the men arrive in the late afternoon, and the evening meal, the principal meal of the day, is then eaten without delay. Meals are taken in common by the members of the family, each family eating at its own hut. Afterwards visits are usually

512 [574]

[1] Passarge, *Die Buschmänner der Kalahari*, 31–2.
[2] Seiner, "Bereisung der Omaheke," 303.

2: Schapera E-4, 5 (no date) 1930
FX13 Hottentot
Bushmen FX10

exchanged from hut to hut, the women going to one hut, the men to another, and so on. Only the owners sit in a hut, while the visitors gather round the fire outside. The little children play about everywhere, the bigger boys and girls by themselves. There is no fixed time for going to sleep. As a rule the people turn in to bed fairly early, but if it is a fine evening dancing may be started and kept up till late, everybody taking part except the old people and the little children.[1]

Food and Fire

The Bushmen will eat almost anything that can be eaten. Of animal foods the favourite is game of all kinds, when it can be obtained, and they are also very fond of hare, spring hare, guinea fowl, korhaan, partridge, ostrich, and other birds, as well as birds' eggs. Fish too are eaten wherever they can be caught, and among the Bushmen of the Okavango swamps are a staple article of diet. Anteaters, ant bears, tortoises, porcupines, bull frogs, snakes, and lizards are greatly relished, while among insects locusts, scorpions, beetles, young bees and honey, termites, flying ants and ants' eggs are also eaten. In fact all kinds of living animals are made use of as food, with the almost universal exception of the baboon and the hyena—the former "on account of its being so like a man", the latter "because it eats human corpses".

The most important vegetable foods in the Southern and Central Kalahari are the *tsama* (*Citrullus vulgaris*), "uintjies" (*Cyperus edulis Dtr.*), *Grewia* berries, and the *//noun* (*Bauhinea esculenta*); in the Namib the */naras* fruit (*Acanthosicyos horrida Welw.*) forms almost the sole article of diet when in season; while as one proceeds northwards various fruit-bearing trees appear, such as the wild fig, palm, omungete nut, wild orange, omuande, and omuve. In addition numerous other varieties of edible roots, berries, cucumbers, tubers, melons, and ground nuts appear in great profusion during and after the rainy season, when they form the principal part of the daily menu.[2]

Much of the food is eaten raw, but the Bushmen know how to prepare and cook it. Each family prepares its own food. Cooking

[1] Passarge, op. cit., 44 sqq.; D. F. Bleek, *The Naron*, 32; Fourie, "The Bushmen of S.W. Africa," 88.

[2] Stow, *Native Races of S. Africa*, 54 sqq.; von François, *Nama und Damara*, 234–5; Schultze, *Aus Namaland und Kalahari*, 659 sqq.; Passarge, op. cit., 44 sqq.; Kaufmann, "Die Auin," 139–40, 144 sqq.; Werner, "Ueber die Heikum- und Kungbuschleute," 253–5; Dorman, *Pygmies and Bushmen*, 114 sqq.; D. F. Bleek, op. cit., 6–7; Fourie, op. cit., 98 sq.